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Title: DIRECT RESOLUTION OF BETA-HYDROXYCARBOXYLIC ACID
DERIVATIVE

Assignee: DAICEL CHEM IND LTD

Inventor: MIYOSHI HARUO ; TACHIBANA KOZO ; ITO MICHIO

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Abstract:

PURPOSE: To readily and rapidly determine the optical purity of the subject compound useful as a raw material of an intermediate of medicines and optically active functional materials by carrying out direct optical resolution of an enantiomer of the subject compound using a separating agent composed of a polysaccharide or a derivative thereof as the active component.

CONSTITUTION: Using a separating agent composed of a polysaccharide (preferably homoglucane having high regularity and constant type of bond, especially cellulose, amylose, β-1,4-chitosan, etc., capable of ready preparation of high-purity polysaccharide) or a derivative thereof in which H on the hydroxyl groups is partially or wholly, preferably in an amount of >=85%, substituted with another atomic group as the active component, an enantiomer of a compound of the formula (R1 is alkyl or nonsubstituted or substituted aromatic group; X is acyloxy, aryloxy, alkylthio, arylthio or non-substituted, mono- or disubstituted amino) is directly optically separated by the liquid chromatography, etc.

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TACHIBANA KOZO
ITO MICHIO

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